

Missouri Water Resources Center

Missouri River Flood Conditions Report

March 19th, 2021



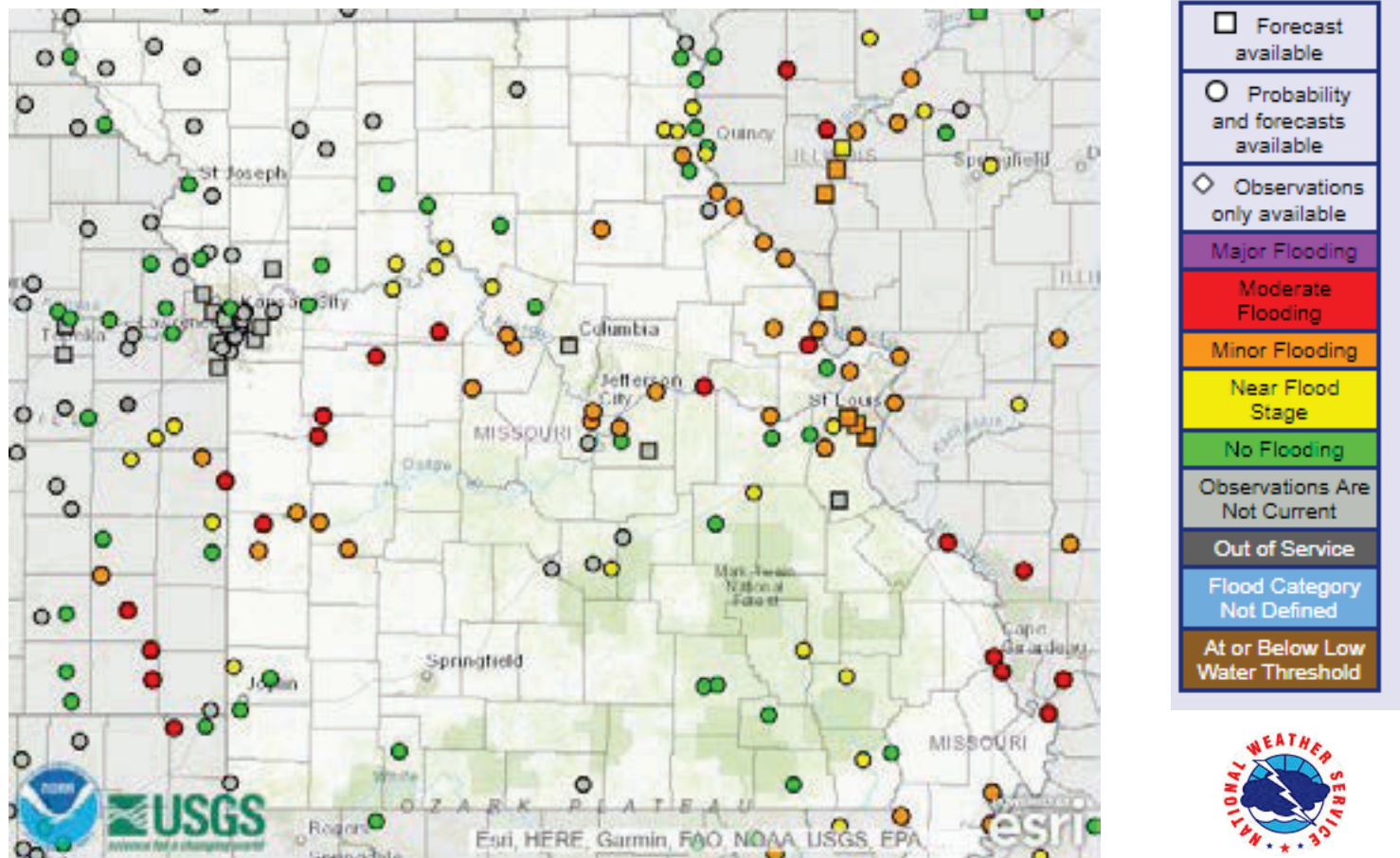
Missouri River Flooding Status

- The Missouri River Basin received above average precipitation during the past seven days in the Nebraska, Iowa, Kansas, and Missouri four-state region. Heavier concentrations of rain were recorded in eastern Nebraska and southwest Missouri contributing to regional flooding. West central and northwest Missouri streams and rivers are also contributing to flooding on the Missouri River.
- Because of levee damage caused by previous flooding, impacts may occur at lower stages than usual.
- Over the next seven days the Missouri River Basin will have moderate precipitation with around 2.5-3 inches forecasted around the southwestern Iowa and eastern Nebraska region, extending down into Kansas and small portions of Missouri. Light rainfall will be observed in the upper basin.
- Truman Reservoir is releasing approximately 8,000 CFS into Lake of the Ozarks. Lake of the Ozarks is not intended to retain flood waters. Therefore, Bagnell Dam is anticipated to release 28,000 CFS today into the Osage River below the dam. The Osage River flows into the Missouri River 12 miles downstream of Jefferson City.
- Today, the National Weather Service (NWS) is including 48 hours of forecast precipitation in river forecast calculations in addition to past seven-day observed precipitation for the Missouri River for some river gage forecasts from Brownville, Nebraska to St. Charles, Missouri.



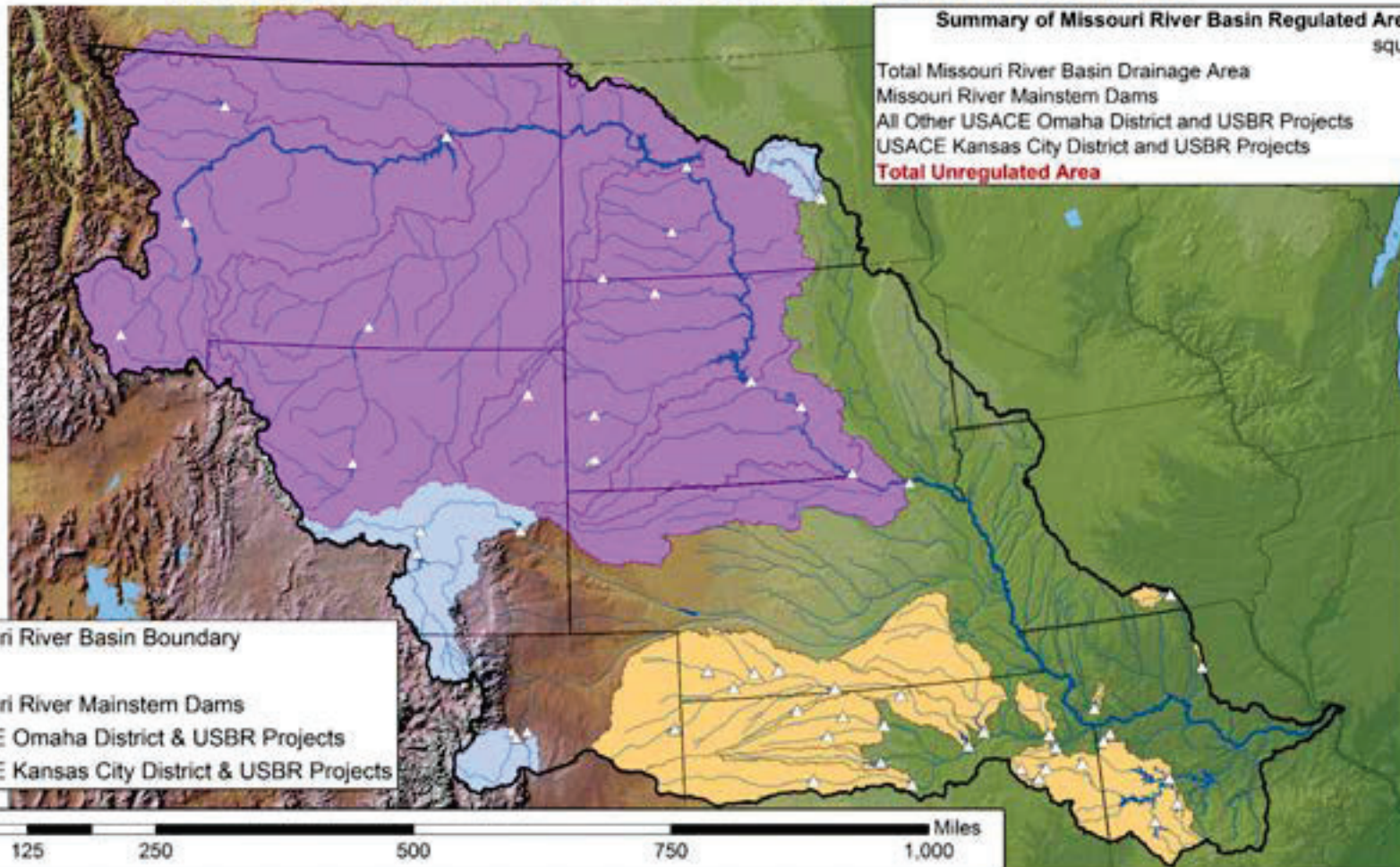
River Forecast Conditions

(Maximum for Entire Period 1-13 Days)

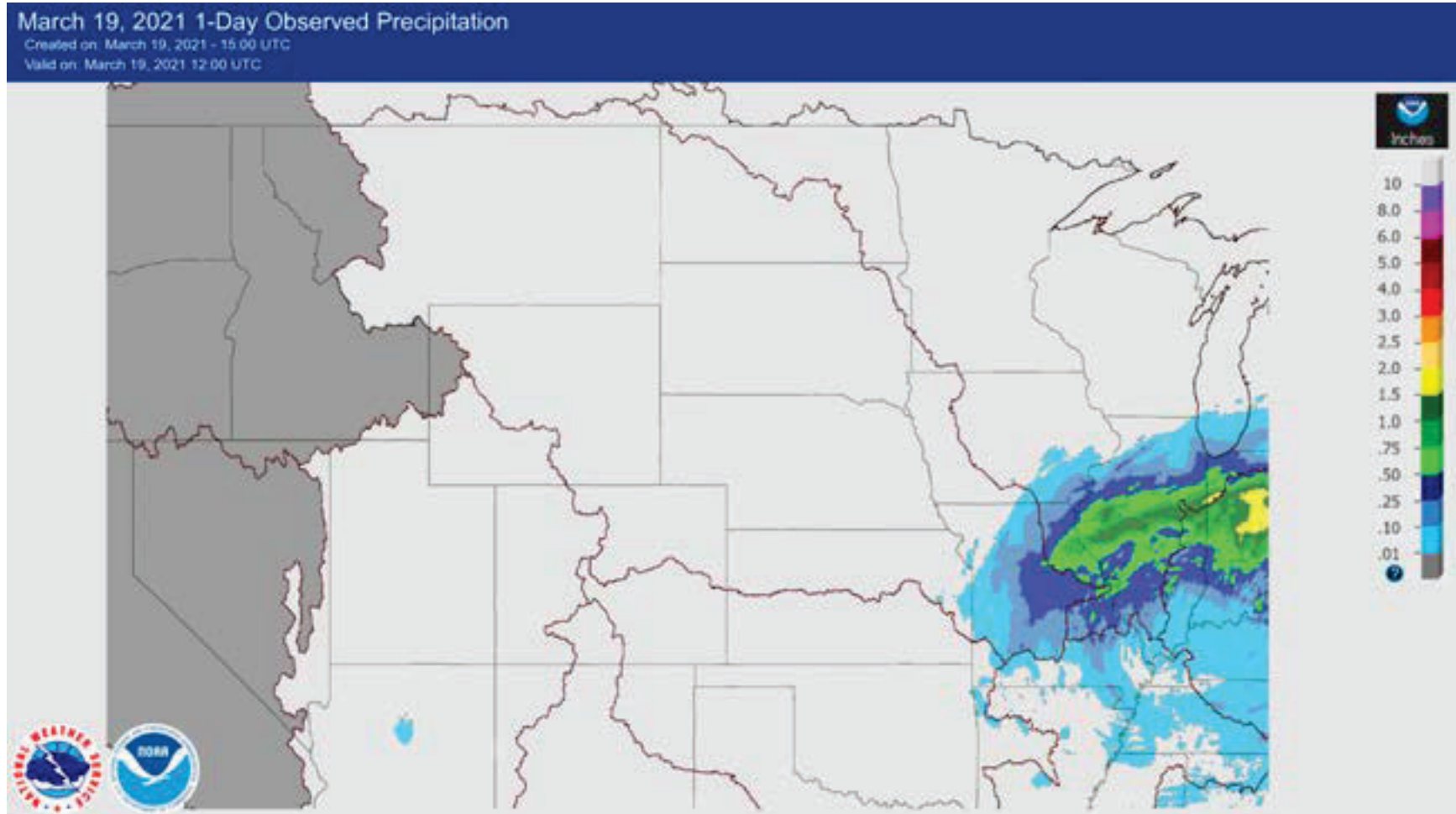




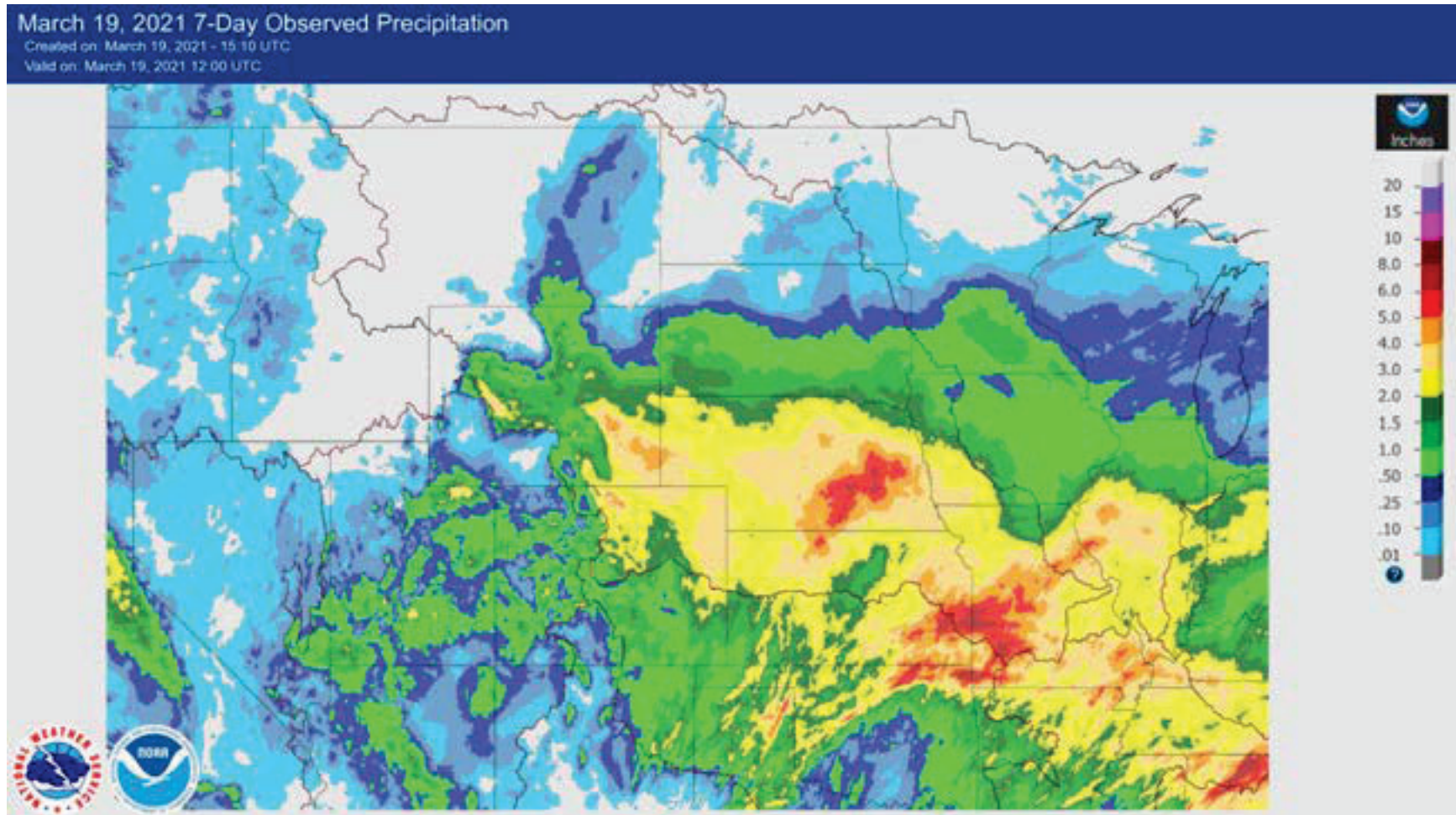
MISSOURI RIVER BASIN REGULATED WATERSHEDS



One-day Observed Precipitation



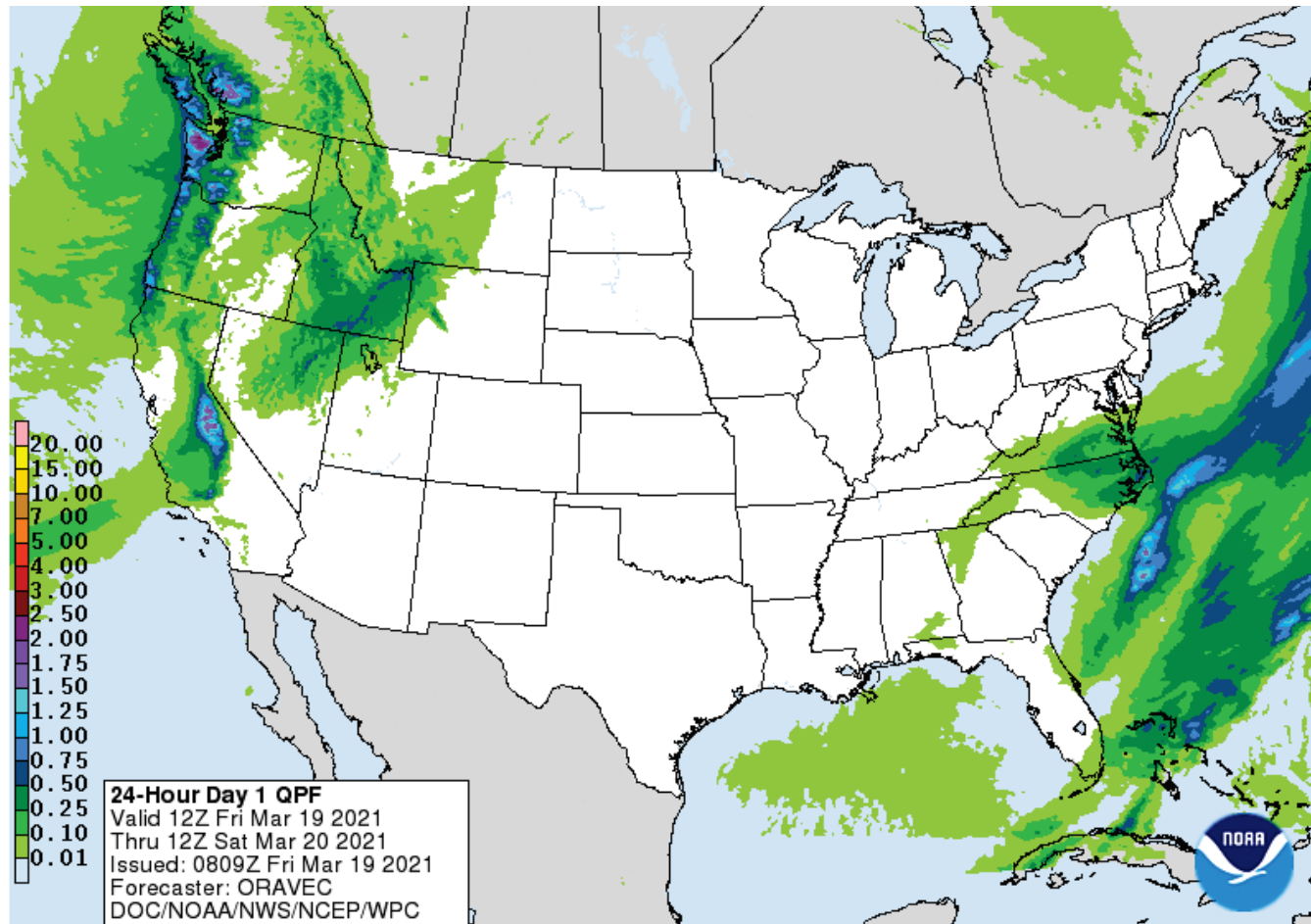
Seven-day Observed Precipitation





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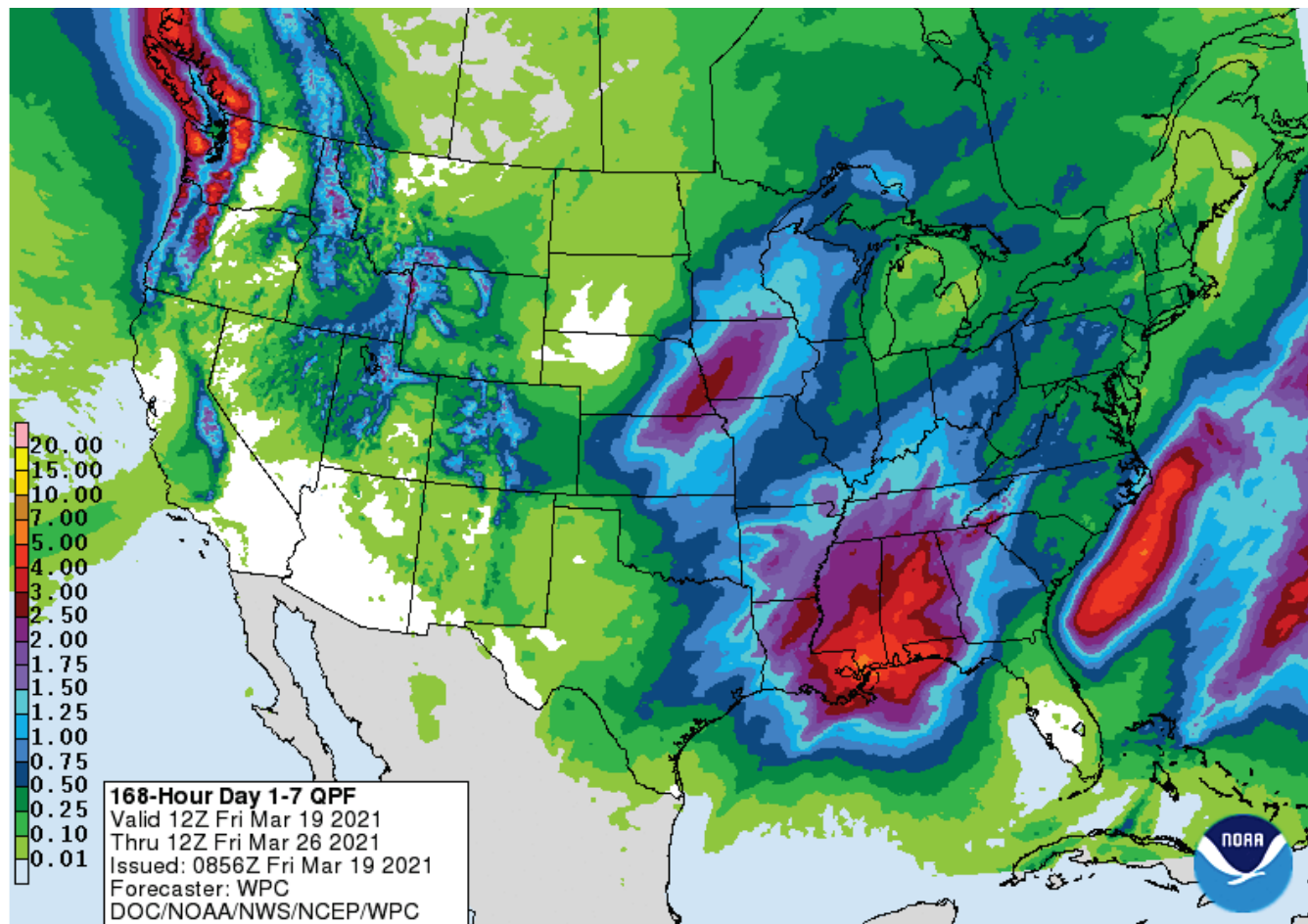
One-day Precipitation Forecast





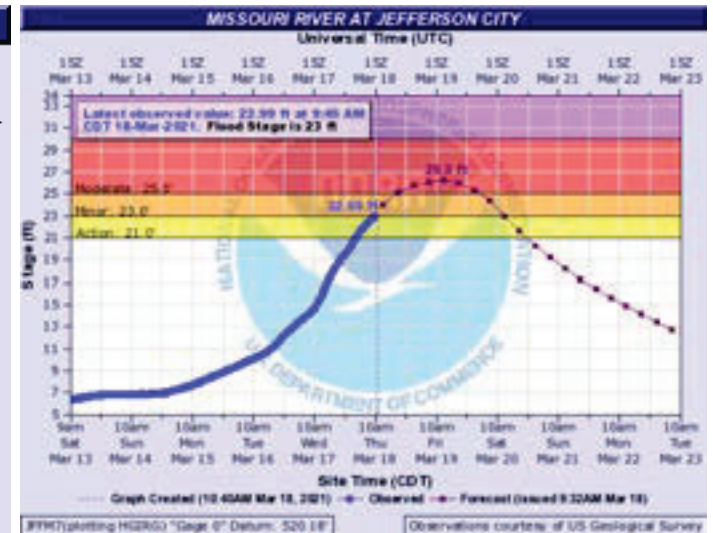
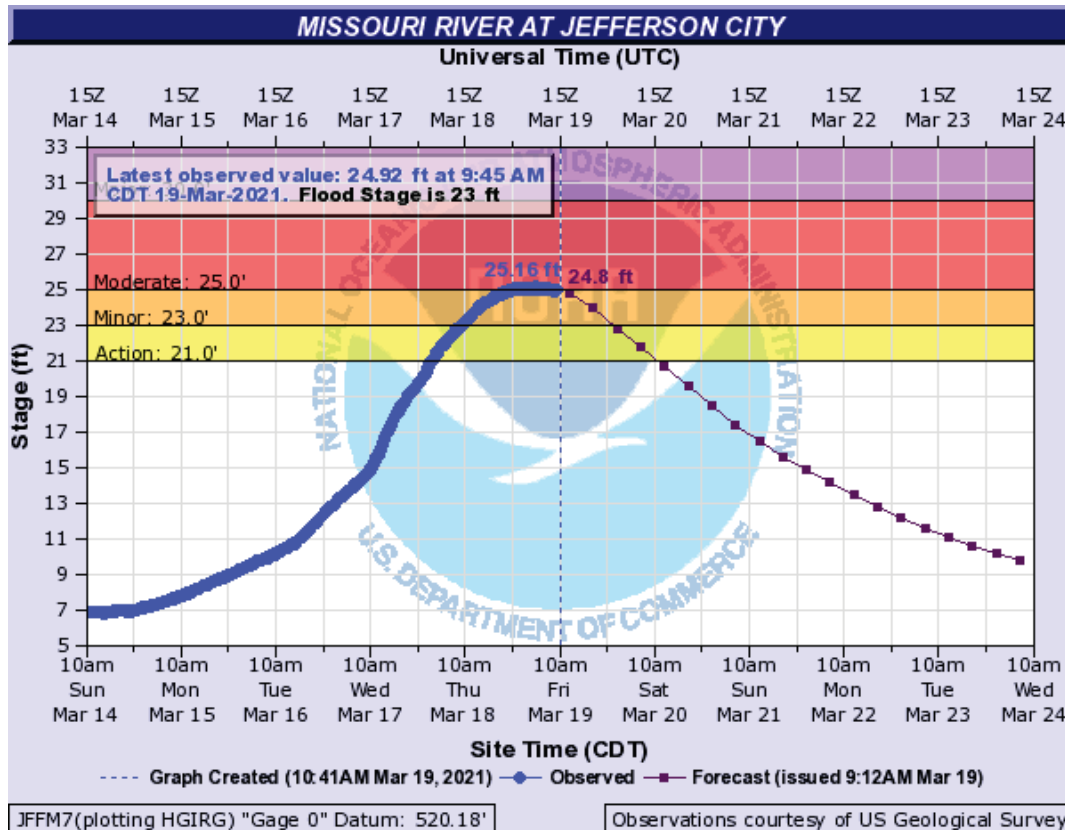
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Seven-day Precipitation Forecast





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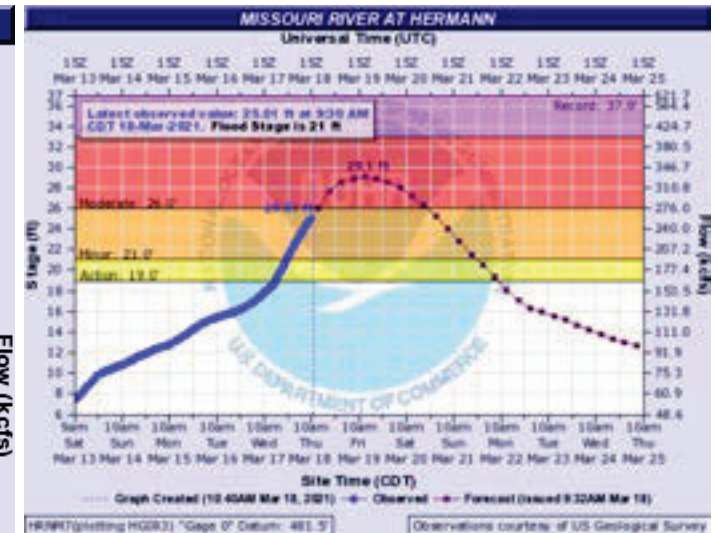
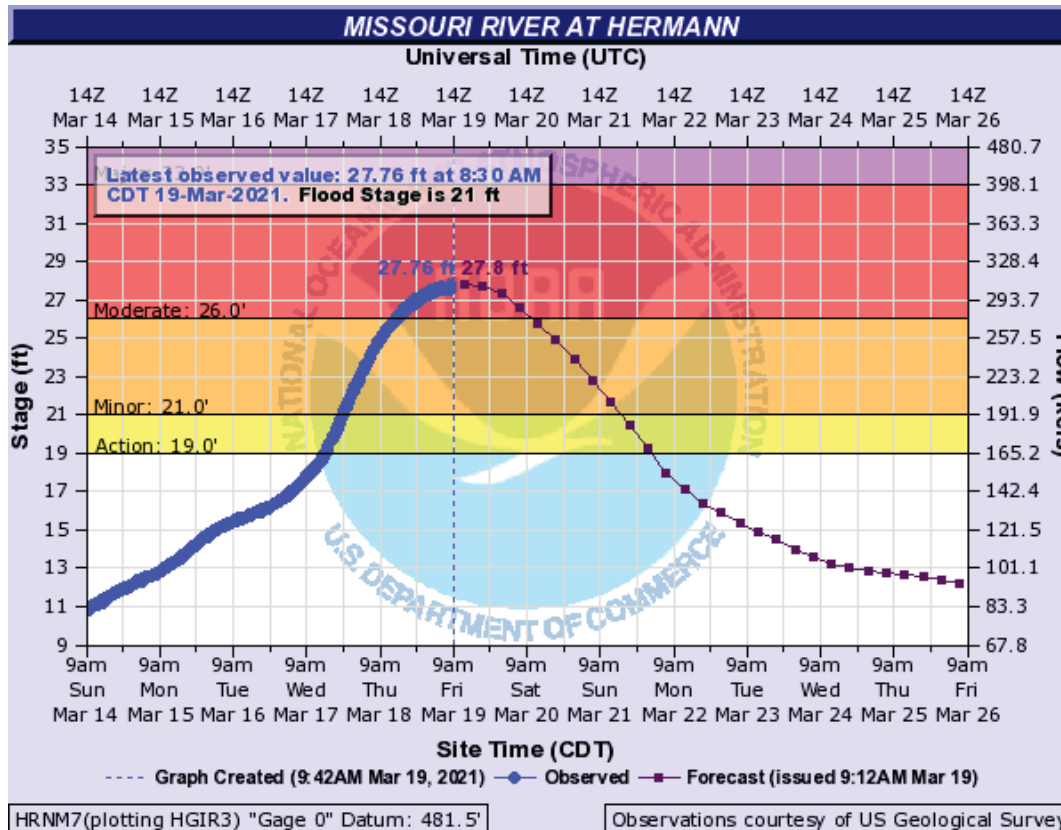
Hydrologic river forecast for March 18, 2021.

- The Missouri River at Jefferson City, Missouri is in minor flood stage at 24.8 feet. The river crested this morning at 25.16 feet.
- Moderate flood stage at Jefferson City occurs at 25 feet.
- For stage-related impacts and other site specific details go to:
<https://water.weather.gov/ahps2/hydrograph.php?wfo=oax&gage=bron1>





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Hydrologic river forecast for March 18, 2021.

- The Missouri River at Hermann, Missouri is in moderate flood stage at 27.76 feet. The river is forecast to crest today at 27.8 feet.
- Moderate flood stage at Hermann occurs at 26 feet.
- For stage-related impacts and other site specific details go to:
<https://water.weather.gov/ahps2/hydrograph.php?wfo=oax&gage=bron1>



Resources for Further Information

- Department of Natural Resources Flood Page:
<https://dnr.mo.gov/flood>
- National Weather Service – Missouri River Flooding:
<https://www.weather.gov/oax/missouririverflooding>
- National Weather Service – River Forecasts, Missouri Basin:
<https://water.weather.gov/ahps2/forecasts.php?wfo=EAX>
- Missouri Water Resources Center – Missouri River Informational Page: https://dnr.mo.gov/geology/wrc/interstate-waters/missouri_river.htm

